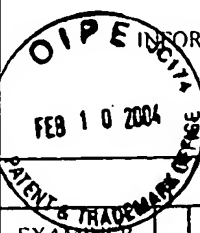
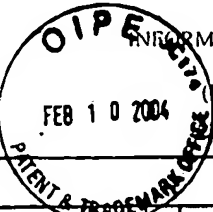


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23968		Serial No. 10/687,598									
 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p>				Applicant Kiyoshi KAWANO et al.											
				Filing Date October 20, 2003		Group 2613									
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL	DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE							
TJH	4	0	6	7	0	2	7	01/02/78	YAMAZAKI						
	4	2	6	2	9	8	8	04/21/81	ISHIBAL et al.						
	4	4	0	0	0	6	5	08/23/83	NAGLER						
	5	5	8	3	6	9	2	12/10/96	FUNATSU						
	5	7	2	9	3	9	0	03/17/98	ABE						
	5	9	2	6	6	5	7	07/20/99	HASUSHITA						
	6	0	8	8	0	5	3	07/11/00	HAMMACK et al.						
2003	0	0	7	2	5	6	7	04/17/03	ABE						
2003	0	0	7	2	0	9	1	04/17/03	ABE						
2003	0	0	6	3	3	8	2	04/03/03	HIRUNUMA ET AL.						
2003	0	0	6	3	3	8	1	04/03/03	ABE						
2003	0	0	8	6	1	6	4	05/08/03	ABE						
2003	0	0	6	3	2	0	9	04/03/03	ENOMOTO et al.						
2003	0	0	6	3	1	8	9	04/03/03	HIRUNUMA et al.						
2003	0	0	6	3	3	8	0	04/03/03	HIRUNUMA et al.						
2003	0	1	5	1	8	0	7	08/14/03	HIRUNUMA et al.						
2003	0	1	5	1	8	0	8	08/14/03	HIRUNUMA et al.						
✓ 2003	0	1	5	1	6	6	0	08/14/03	HIRUNUMA et al.						
TJH 2001	0	0	2	8	4	9	8	10/11/01	HAGA et al.						
FOREIGN PATENT DOCUMENTS															
	DOCUMENT NUMBER			DATE			COUNTRY			CLASS		SUBCLASS		TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
EXAMINER /Timothy J. Henn/										DATE CONSIDERED 01/07/2007					
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and-not considered. Include copy of this form with next communication to applicant.</p>															

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				Filing Date October 20, 2003		Group 2613	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS							
					CLASS	SUBCLASS	TRANSLATION YES NO
TJH	3 6	- 1 2	3 8 7	08/02/61	JAPAN		X
↓	5 7	- 7 9	9 0 7	05/19/82	JAPAN		X
↓	6 2	- 9 6	9 1 9	05/06/87	JAPAN		X
↓		5 - 2	1 3 2	01/08/93	JAPAN		X
↓		6 - 2	3 3 0	01/14/94	JAPAN		X
↓		7 - 8	8 4 8	02/07/95	JAPAN		X
TJH	7 -	2 8 3	9 7 8	10/27/95	JAPAN		X
 	 	 	 	 	 		
TJH	2	6 2 4	5 5 6	04/11/97	JAPAN		X
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2001	 	 	 	 	 		
TJH 2001		3 1 1	8 6 8	11/09/01	JAPAN		X
TJH WO	0 1	/ 5 2	5 3 1	07/19/01	W.I.P.O.		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
TJH	1	English Language Abstract of No. 11-248996.					
TJH	2	English Language Abstract of No. 2001-311868.					
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Sheet 1 of 1

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Atty. Docket No.
P23968

Application No.
10/687,598

Applicant
Kiyoshi KAWANO et al.

Filing Date
October 20, 2003

Group 2157	
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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